

## INTERNATIONAL SEARCH REPORT

 Inte Application No  
 PCT/03/01075

 A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 H04B10/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

 Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|------------|--|-----------------------|
| X          | DE 100 46 104 A (SIEMENS AG)<br>4 April 2002 (2002-04-04)<br>cited in the application  | 1,5,7,10              |
| Y          | column 1, paragraph 6 -column 2, paragraph 8; figure 1<br>---  | 2,3,6,8,<br>9,11-17   |
| Y          | DE 100 24 238 A (HERTZ INST HEINRICH)<br>3 January 2002 (2002-01-03)<br>column 2, paragraph 9 -column 4, paragraph 28<br>---   | 6,8,9,<br>11-17       |
| Y          | US 2001/033406 A1 (OTA TAKESHI ET AL)<br>25 October 2001 (2001-10-25)<br>page 3, paragraph 48 -page 4; figure 8<br>---<br>-/-- | 2,3,13,<br>14         |

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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\*&amp;\* document member of the same patent family

Date of the actual completion of the international search

16 September 2003

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|------------|---|-----------------------|
| X          | ROSSI G ET AL: "Optical performance monitoring in reconfigurable WDM optical networks using subcarrier multiplexing"<br>JOURNAL OF LIGHTWAVE TECHNOLOGY, IEEE. NEW YORK, US,<br>vol. 18, no. 12, December 2000 (2000-12),<br>pages 1639-1648, XP002179167<br>ISSN: 0733-8724<br>the whole document<br>----- | 1,8,10                |

# INTERNATIONAL SEARCH REPORT

Information on patent family members

Initial Application No

PCT/03/01075

| Patent document<br>cited in search report |    | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|---|----|---------------------|----------------------------|---------------------|
| DE 10046104                               | A  | 04-04-2002          | DE 10046104 A1             | 04-04-2002          |
| DE 10024238                               | A  | 03-01-2002          | DE 10024238 A1             | 03-01-2002          |
|   |    |                     | WO 0186847 A1              | 15-11-2001          |
| US 2001033406                             | A1 | 25-10-2001          | JP 2001217778 A            | 10-08-2001          |